



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **09126138**(71) Applicant: **SEKISUI JUSHI CO LTD**(22) Date of filing: **16 . 05 . 97**(72) Inventor: **FUJISHITA YOSHIYA**(54) **REFLECTING MIRROR**

prevented without requiring maintenance.

(57) Abstract:

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PROBLEM TO BE SOLVED: To prevent dew condensation and frosting over a long period by holding a mirror surface plate with a back plate, inserting a radioactive material covered with a shield between the mirror plate and the back plate, and warming the mirror surface plate with the decay heat generated when the radioactive material decays.

SOLUTION: The front surface of a mirror surface plate 1 made of a synthetic resin or a metal is formed into a mirror surface 11, and the front surface of the mirror surface plate 1 is polished to form a mirror surface layer with an acrylic resin. A back plate 2 for holding the mirror surface plate 1 is fitted to the back face of the mirror surface plate 1, and the back face side of the back plate 2 is fixed to a support metal 3 fitted to a stanchion 4 erected on a road surface. A radioactive material 5 covered with a shield 51 of lead to prevent the leakage of noxious radioactive rays to the outside is inserted between the mirror surface plate 1 and the back plate 2. The decay heat generated when the radioactive material 5 decays warms the mirror surface plate 1 through the shield 51. Uranium generates decay heat until it is finally stabilized, and dew condensation and frosting can be semipermanently

